



Good Solutions, Great Leverage

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Course Outline

PHP and MySQL

PHP and MySQL: 1 Installing required software

After taking this course, the learner will be able to download, install, configure, and test all the software required to create dynamic Web sites and web applications using PHP and MySQL.

Course Objectives

- To install and configure MySQL, Apache, PHP
- To test PHP and MySQL installations
- To configure PHP

Course Topics

- Installing MySQL, Apache, PHP.
- Testing the installation
- Configuring PHP

PHP and MySQL: 2 PHP Basics

After taking this course, the learner will be able to describe the PHP scripting language, and create basic PHP scripts using proper PHP syntax.

Course Objectives

- Identify basic PHP syntax
- Create basic PHP scripts
- Send data to the Web browser
- Apply variables, strings, and constants to a PHP a script

Course Topics

- PHP
- Basic syntax
- Sending data
- Understanding PHP, HTML.
- Writing comments
- Using variables
- Using strings
- Using numbers
- Using constants

PHP and MySQL: 3 MySQL

After taking this course, the learner will be able to create databases and tables, and sort and retrieve data using MySQL.

Course Objectives

- Choose column types and other column properties
- Create databases and tables
- Insert records, select, update and delete data
- Use conditionals and functions

Course Topics

- MySQL
- Choosing column types
- Choosing other column properties
- Creating databases and tables
- Inserting records
- Selecting data
- Using conditionals
- Using LIKE and NOT LIKE
- Sorting and limiting query results
- Updating and deleting data
- Using text and numeric functions
- Formatting date and time functions

PHP and MySQL: 4 Programming with PHP

After taking this course, the learner will be able to create elaborate scripts, write HTML forms, and program PHP to handle the form data.

Course Objectives

- Handle HTML forms using PHP scripts
- Validate form data
- Manage arrays using various types of loops
- Work with magic quotes

Course Topics

- Creating HTML forms
- Handling HTML forms
- Managing magic quotes
- Using conditionals and operators
- Validating form data
- Using arrays
- Creating and accessing arrays
- Multidimensional arrays
- Arrays and strings

- Sorting arrays
- For and While loops

PHP and MySQL Part 2

PHP and MySQL: 1 Using PHP with MySQL

This course provides the learner with step-by-step instructions for using PHP to create dynamic Web sites that allow for database interactions such as the storing, gathering, and updating of information.

Course Objectives

- Describe how arguments and PHP functions relate to the database
- Differentiate between simple and complex functions depending on execution results
- Understand the importance of associative and indexed arrays.
- Modify specific scripts to allow for secure data transmission
- Update database records using PHP scripts

Course Topics

- Modifying the template
- Connecting to MySQL and selecting the database
- Executing simple queries
- Retrieving query results
- Ensuring secure SQL
- Counting returned records
- Updating records with PHP

PHP and MySQL: 2 Developing Web Applications

This course provides the learner with information about a number of independent topics that are present in more sophisticated Web applications.

Course Objectives

- Adjust behavior for server settings
- Pass variables and values to a script
- Edit existing records
- Paginate query results

- Make sortable displays
- Use HTTP headers

Course Topics

- Adjusting behavior for server settings
- Sending values manually
- Using hidden form inputs
- Editing existing records
- Paginating query results
- Making sortable displays
- Understanding HTTP headers

PHP and MySQL: 3 Cookies and Sessions

This course provides the learner with information about using cookies and sessions with PHP to overcome the statelessness of the Web.

Course Objectives

- Use cookies
- Use sessions
- Improve session security
- Manage the relationship between cookies and sessions

Course Topics

- Setting cookies
- Accessing cookies
- Setting cookie parameters
- Deleting cookies
- Setting session variables
- Accessing session variables
- Deleting session variables
- Changing session behavior
- Changing the session cookie settings
- Using sessions without cookies
- Improving session security

PHP and MySQL: 4 Trigger in PHP MySQL

This course provides an overview of the use of triggers in MySQL for web applications.

PHP and MySQL: 5 User Registration Example

This eLearning course provides an overview of the user registration system.

Course Objectives

- Handle user registration
- Activate accounts
- Create login and logout scripts
- Apply password management

Course Topics

- Creating the templates
- Writing the configuration scripts
- Creating the home page
- Registration
- Activating an account
- Logging in and logging out
- Resetting a password
- Changing a password